

CLAIMS

Sub 1

1. A tetsplice connector comprising:  
a housing defining an interior channel and having two opposing sides; and  
a crimping device movably positioned inside said housing and adapted to secure at least one electrical cable in said channel;  
wherein the tetsplice connector is adapted to be removable connected to at least one other tetsplice connector by an ultrasonic weld.

2. The tetsplice connector of Claim 1, wherein the tetsplice connector is adapted to be removably connected to said at least one other connector on one of said two opposing sides.

3. The tetsplice connector of Claim 1, wherein said housing is formed of a nonconductive material.

4. The tetsplice connector of Claim 3, wherein said housing is formed of a polycarbonate material.

5. The tetsplice connector of Claim 3, wherein said housing is formed of a polyester material.

6. The tetsplice connector of Claim 3, wherein said housing is formed of a polypropylene material.

7. The tetsplice connector of Claim 3, wherein said housing is formed of at least two different materials.

8. The tetsplice connector of Claim 1, wherein said crimping device is positioned in said housing adjacent said channel.

9. The tetsplice connector of Claim 1, including a crimping portion adapted to engage said crimping device.

10. The tetsplice connector of Claim 9, wherein a lower surface of said crimping portion is adapted to engage an upper portion of said crimping device.

5 11. The tetsplice connector of Claim 1, wherein said housing includes opposing first and second engagement surfaces defining at least one opening fluidly communicating with said channel and adapted to receive said electrical cable.

12. The tetsplice connector of Claim 11, wherein said first and second engagement surfaces define a first pair of planes different from a pair of planes defined by said two opposing sides.

13. The connector of Claim 9, wherein said crimping portion defines at least one opening fluidly communicating with said channel and adapted to receive said electrical cable.

14. The tetsplice connector of Claim 1, further including a connecting plate adjacent said channel and adapted to provide an electrical connection between electric cables received therein.

Sub 2 15. A tetsplice stick device adapted to be connected to an electrical cabling, said device comprising:

a first connector having a housing and opposing sides; and

20 a second connector having a housing and opposing sides;

wherein at least one of said opposing sides of said first connector is removable connected to one of said sides of said second connector.

16. The tetsplice stick device of Claim 15, wherein said first and second connectors are removably connected by a weld.

17. The tetsplice stick device of Claim 15, wherein said first and second connectors are removably connected by an ultrasonic weld.

18. The tetsplice stick device of Claim 15, wherein said housings are formed of a nonconductive material.

5 19. The tetsplice stick device of Claim 18, wherein said housings are formed of a polycarbonate material.

20. The tetsplice stick device of Claim 18, wherein said housings are formed of a polyester material.

21. The tetsplice stick device of Claim 15, wherein said housings are formed of a polypropylene material.

22. The tetsplice stick device of Claim 15, where said first connector housing is formed of one nonconductive material and said second connector housing is formed of a second nonconductive material.

23. The tetsplice stick device of Claim 15, wherein a crimping device is positioned in each of said housings adjacent to a channel defined therein.

24. The tetsplice stick device of Claim 23, wherein said first and second connectors further include a crimping portion adapted to engage said crimping device.

25. The tetsplice connector of Claim 24, further including a connecting plate adjacent to said channel and adapted to provide an electrical connection between cabling received therein.

26. A telplice stick device adapted to be connected to at least two electrical cables using a crimping device, said telplice stick device comprising:

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a plurality of connectors;

each of said connectors having opposing sides; and

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wherein at least one of said opposing sides of each connector is removably connected to one of said opposing sides of a different connector by an ultrasonic weld.

27. A method for telplicing electric cabling, the method comprising:

inserting at least one electric cabling into at least one of a plurality of telplice connectors that form a telplice stick; and

separating said at least one telplice connector from said telplice stick using a tool, wherein said cabling is telpliced.

28. The method of Claim 27, wherein said plurality of telplice connectors are removably connected to form said telplice stick using an ultrasonic weld.

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